

APPENDIX A

Data Tables

The data tables listed in this appendix are accessible on CD or <https://saer.llnl.gov/>. In the electronic version of this appendix, the data tables listed below are linked to the tables, which are read-only Excel files.

A.1 Air Effluent (Chapter 4)

- A.1.1 Summary of gross alpha and gross beta ($\mu\text{Bq}/\text{m}^3$) in background locations for comparison to monitored air effluent emission points in 2009
- A.1.2 Summary of gross alpha and gross beta ($\mu\text{Bq}/\text{m}^3$) in air effluent samples from the monitored emission point at Livermore site, Building 235, 2009
- A.1.3 Summary of gross alpha and gross beta ($\mu\text{Bq}/\text{m}^3$) in air effluent samples from the monitored emission point at Livermore site, Building 491, 2009
- A.1.4 Summary of gross alpha and gross beta ($\mu\text{Bq}/\text{m}^3$) in air effluent samples from the monitored emission point at Livermore site, Building 695, 2009
- A.1.5 Summary of tritium (Bq/m^3) in air effluent samples from the monitored emission point at Livermore site, Building 695, 2009
- A.1.6 Summary of gross alpha and gross beta ($\mu\text{Bq}/\text{m}^3$) in air effluent samples from the monitored emission points at Livermore site, Building 332, 2009
- A.1.7 Summary of tritium in air effluent samples (Bq/m^3) from the monitored emission points at Livermore site, Building 331, 2009
- A.1.8 Summary of gross alpha and gross beta ($\mu\text{Bq}/\text{m}^3$) in air effluent samples from the monitored emission point at Site 300, Building 801, 2009

A.2 Ambient Air (Chapter 4)

- A.2.1 Weekly gross alpha and gross beta concentrations ($\mu\text{Bq}/\text{m}^3$) from air particulate samples from the Livermore perimeter locations, 2009
- A.2.2 Tritium concentrations (mBq/m^3) in air on the Livermore site, 2009
- A.2.3 Beryllium concentration (pg/m^3) in Livermore site and Site 300 air particulate samples, 2009
- A.2.4 Beryllium-7 concentrations (mBq/m^3) composite for Livermore site and Site 300 air particulate samples, 2009
- A.2.5 Plutonium-239+240 concentrations (nBq/m^3) in air particulate samples from the Livermore perimeter and Site 300 perimeter composite, 2009
- A.2.6 Uranium mass concentrations (pg/m^3) in air particulate samples from Site 300 onsite and offsite locations, and the Livermore site (composite), 2009
- A.2.7 Weekly gross alpha and gross beta concentrations ($\mu\text{Bq}/\text{m}^3$) from air particulate samples from the Livermore Valley downwind locations, 2009
- A.2.8 Tritium concentrations (mBq/m^3) in air, Livermore Valley, 2009
- A.2.9 Weekly gross alpha and gross beta concentrations ($\mu\text{Bq}/\text{m}^3$) from air particulate samples from Livermore Valley upwind location and the special interest location, 2009
- A.2.10 Plutonium-239+240 concentrations (nBq/m^3) in air particulate samples from the Livermore Valley, 2009
- A.2.11 Tritium concentrations (mBq/m^3) in air, Site 300, 2009
- A.2.12 Weekly gross alpha and gross beta concentrations ($\mu\text{Bq}/\text{m}^3$) from air particulate samples from Site 300 onsite and offsite locations, 2009

A. Data Tables

A.3 Livermore Site Wastewater (Chapter 5)

- A.3.1 Daily monitoring results for gross alpha, gross beta, and tritium in the Livermore site sanitary sewer effluent, 2009
- A.3.2 Daily flow totals for Livermore site sanitary sewer effluent (ML), 2009
- A.3.3 Monthly and annual flow summary statistics for Livermore site sanitary sewer effluent (ML), 2009
- A.3.4 Monthly 24-hour composite results for metals in Livermore site sanitary sewer effluent, 2009
- A.3.5 Monthly monitoring results for physical and chemical characteristics of the Livermore site sanitary sewer effluent, 2009
- A.3.6 Monthly composite results for tritium for the Livermore site and LWRP effluent, 2009
- A.3.7 Weekly composite metals in Livermore site sanitary sewer effluent, 2009

A.4 Storm Water (Chapter 5)

- A.4.1 Metals detected in storm water runoff ($\mu\text{g/L}$), Livermore site, 2009
- A.4.2 Nonradioactive constituents (other than metals) detected in storm water runoff, Livermore site, 2009
- A.4.3 Routine gross alpha, gross beta, and tritium sampling in storm water runoff at the Livermore site, 2009
- A.4.4 Dioxins and furans in storm water, Site 300, 2009
- A.4.5 Polychlorinated biphenyls (PCBs) in storm water runoff ($\mu\text{g/L}$), Site 300, 2009
- A.4.6 Metals in storm water runoff, Site 300, 2009
- A.4.7 Nonradioactive constituents detected in storm water runoff, Site 300, 2009
- A.4.8 Radioactivity in storm water runoff, Site 300, 2009

A.5 Livermore Site Groundwater (Chapter 5)

- A.5.1 Livermore site metals surveillance wells, 2009
- A.5.2 Livermore site Buildings 514 and 612 area surveillance wells, 2009
- A.5.3 Livermore site near Decontamination and Waste Treatment Facility (DWTF) surveillance wells, 2009
- A.5.4 Livermore site East Traffic Circle Landfill surveillance wells 1308 and 1303, 2009
- A.5.5 Livermore site East Traffic Circle Landfill surveillance wells 119 and 1306, 2009
- A.5.6 Livermore site East Traffic Circle Landfill surveillance well 906, 2009
- A.5.7 Nitrate concentrations in selected Livermore site surveillance wells, 2009
- A.5.8 Livermore site Tritium Facility surveillance wells, 2009
- A.5.9 Livermore site perimeter off-site surveillance wells, 2009
- A.5.10 Livermore site perimeter on-site surveillance wells, 2009
- A.5.11 Livermore site near the National Ignition Facility (NIF) surveillance wells, 2009
- A.5.12 Livermore site Plutonium Facility surveillance wells, 2009
- A.5.13 Livermore site Taxi Strip surveillance wells, 2009
- A.5.14 Livermore site background surveillance wells, 2009
- A.5.15 Tritium activity in Livermore Valley wells, 2009

A.6 Site 300 Groundwater (Chapter 5)

- A.6.1 Site 300 annually monitored off-site surveillance wells, 2009
- A.6.2 Site 300 off-site surveillance well CARNRW1, 2009
- A.6.3 Site 300 off-site surveillance well CARNRW2, 2009
- A.6.4 Site 300 off-site surveillance well CDF1, 2009
- A.6.5 Site 300 off-site surveillance well CON1, 2009

A. Data Tables

- A.6.6 Site 300 off-site surveillance well CON2, 2009
- A.6.7 Elk Ravine surveillance wells, Site 300, 2009
- A.6.8 Site 300 off-site surveillance well GALLO1, 2009
- A.6.9 Site 300 potable supply well 18, 2009
- A.6.10 Site 300 potable supply well 20, 2009

A.7 Other Water (Chapter 5)

- A.7.1 Dry season (June 1 to September 30, 2009) monitoring data for releases from Lake Hausmann
- A.7.2 Wet season (October 1 to May 31, 2009) monitoring data for releases from Lake Hausmann
- A.7.3 Tritium activities in rain water samples collected in the vicinity of the Livermore site, 2009
- A.7.4 Radioactivity (Bq/L) in surface and drinking water in Livermore Valley, 2009

A.8 Soil (Chapter 6)

- A.8.1 Radionuclides in soil in the Livermore Valley, 2009
- A.8.2 Radionuclides and beryllium in soil at Site 300, 2009

A.9 Ambient Radiation (Chapter 6)

- A.9.1 Calculated dose from TLD environmental radiation measurements, Livermore site perimeter, 2009
- A.9.2 Calculated dose from TLD environmental radiation measurements, Livermore Valley, 2009
- A.9.3 Calculated dose from TLD environmental radiation measurements, Site 300 vicinity, 2009
- A.9.4 Calculated dose from TLD environmental radiation measurements, Site 300 perimeter, 2009
- A.9.5 Quarterly concentrations of tritium in plant water (Bq/L) for the Livermore site, Livermore Valley, and Site 300, 2009